

ABB BALDOR RELIANCE III

Customer information packet

DEL3733TM

7.5HP, 1725RPM, 1PH, 60HZ, 215T, 3750LC, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	7.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	50 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	28.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	28.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	BC
Type	AC
Mech. spec.	37F364
Base	
Status	PRD/A
Elec. spec.	37WGW659
Layout	37LYF364
Eff. date	12-02-2025
CD Diagram	CD0152
Poles	04
Leads	2#10 A PH,3#14 B&J
Proprietary	False
Created date	01-01-0001

KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3750LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	20.77 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP1280L									
CAT.NO.	DEL3733TM								
SPEC.	37F364W659								
HP	7.5								
VOLTS	230								
AMP	28								
RPM	1725								
FRAME	215T		HZ	60		PH	1		
SER.F.	1.15		CODE	H	DES	L	CL	F	
NEMA-NOM-EFF	85		PF	98					
RATING	50C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	TEFC		SN						

AC Induction Motor Performance Data

Record # 11898

Typical performance - not guaranteed values

Winding: 37GWG659-R001			Type: 3750LC		Enclosure: TEFC			
Nameplate Data				230 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		7.5	Full Load Torque		22.4 LB-FT			
Volts		230	Start Configuration		direct on line			
Full Load Amps		28	Breakdown Torque		58 LB-FT			
R.P.M.		1725	Pull-up Torque		50 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		93 LB-FT		
NEMA Design Code		L	KVA Code	H	Starting Current		220 A	
Service Factor (S.F.)		1.15	No-load Current		10.8 A			
NEMA Nom. Eff.		85	Power Factor		98	Line-line Res. @ 25°C		0.271 Ω A Ph 0.579 Ω B Ph
Rating - Duty		50C AMB-CONT		Temp. Rise @ Rated Load		72°C		
S.F. Amps				Temp. Rise @ S.F. Load		88°C		

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	70	87	95	98	99	99	0
Efficiency	64.3	79	84.7	87.1	87.7	87.2	0
Speed	1789	1779	1768	1757	1744	1729	0
Line amperes	13.6	17.7	22.8	28.5	34.8	41.9	32.3

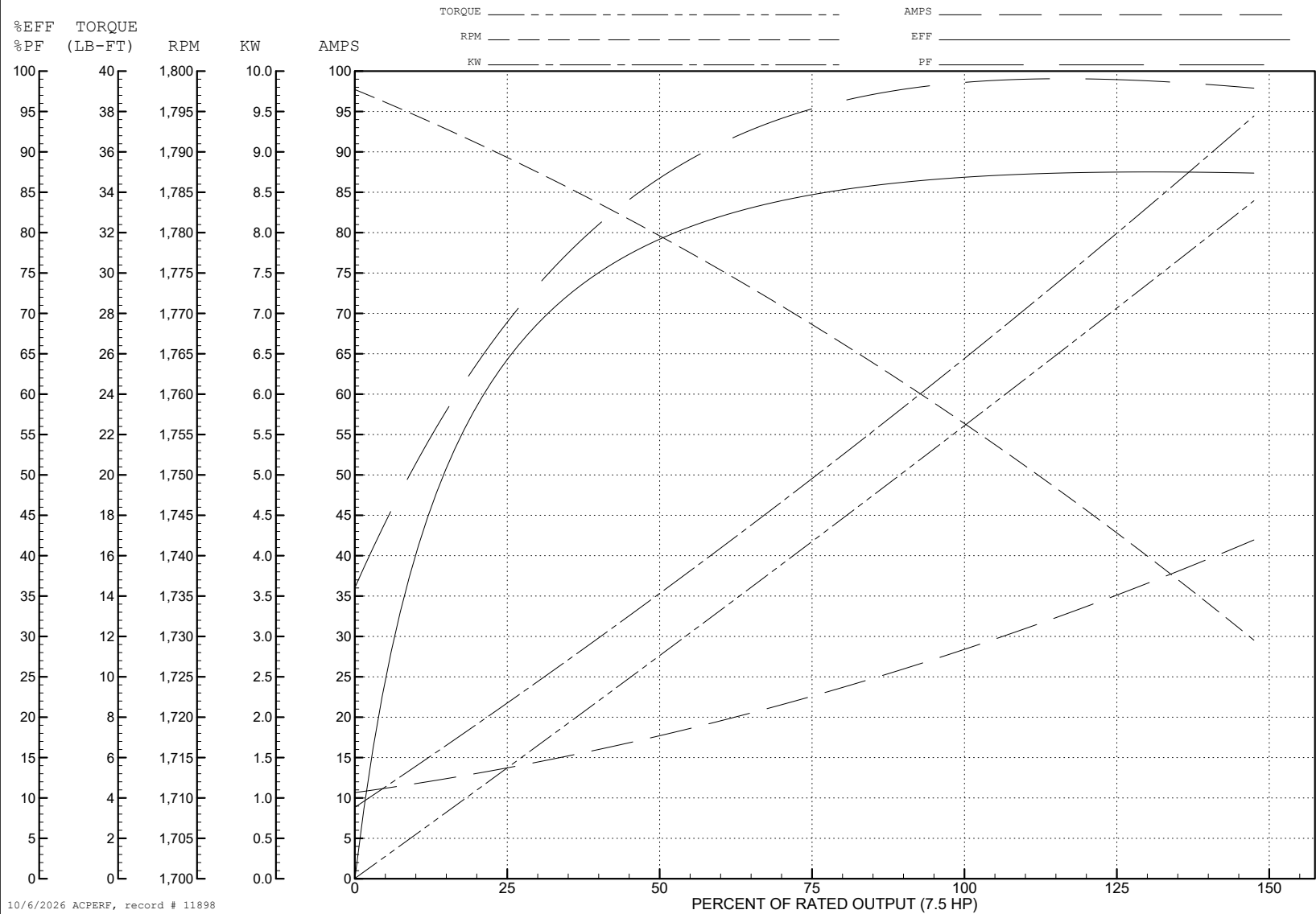
ABB Motors and Mechanical Inc.

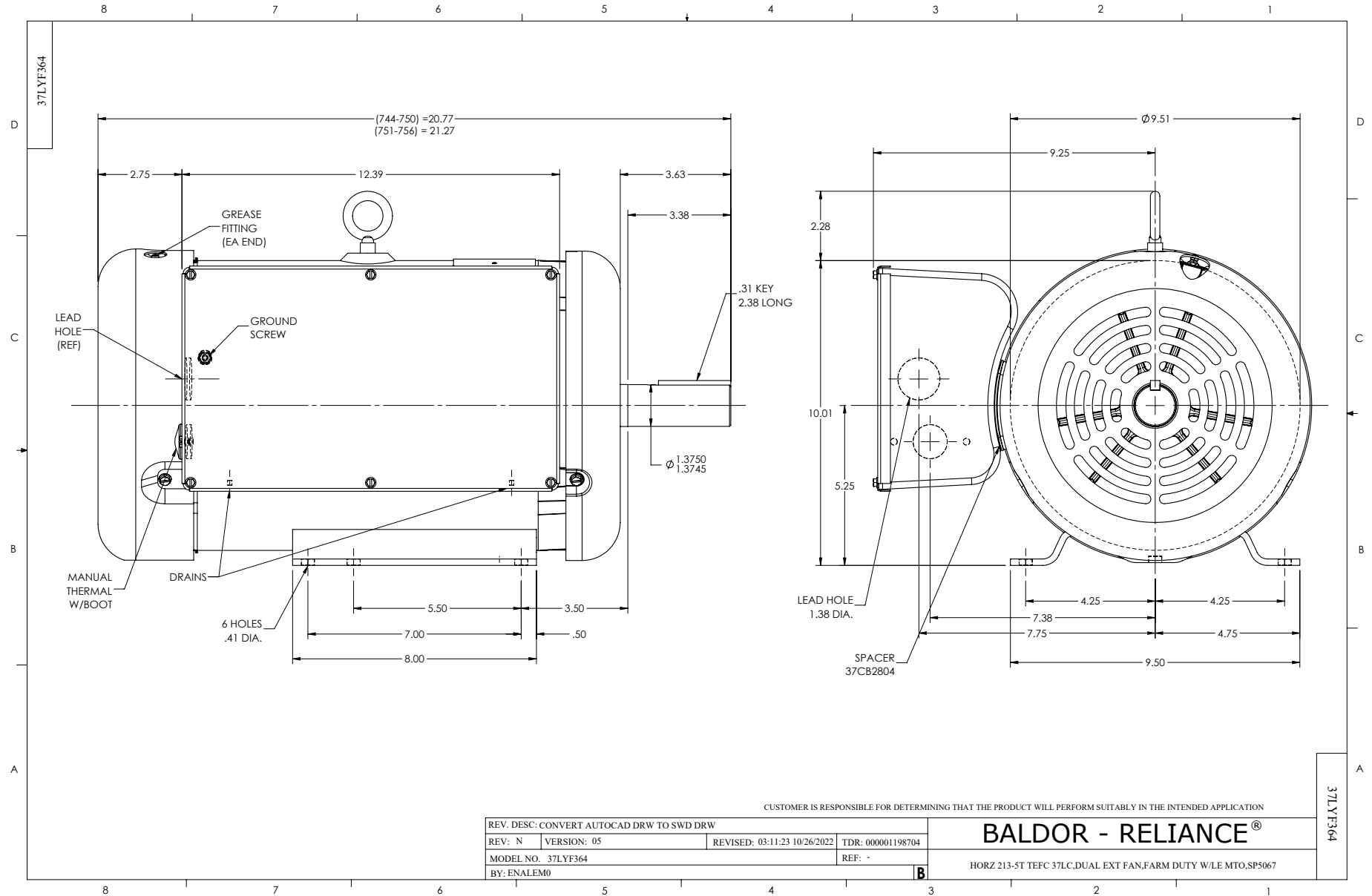
WINDING # 37WGW659

Typical performance - not guaranteed values.

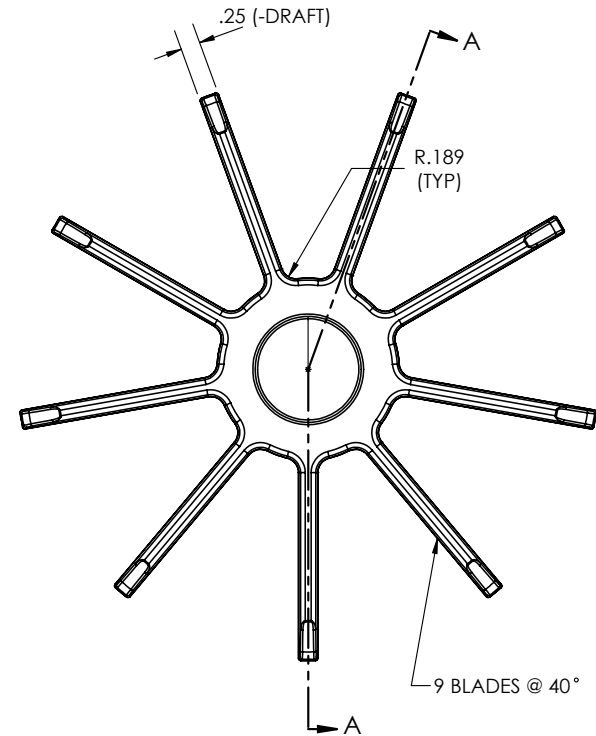
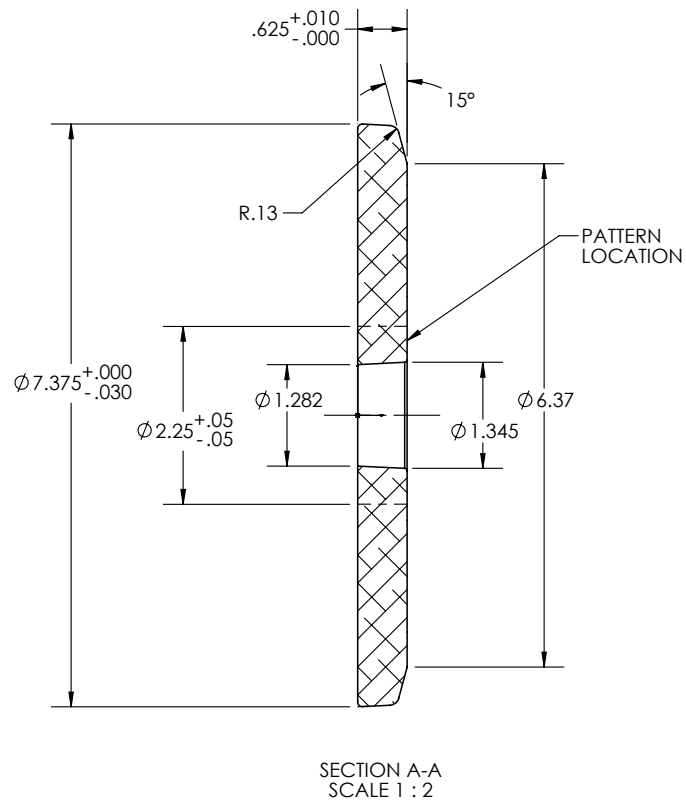
7.5 HP 1 PH 60 HZ 1725 RPM 230 V 3750LC

TORQUES (LB-FT) : PO=58 PU=50 LR=93 LRA=220





36FN3004



DIE CAST ALUMINUM TOLERANCES UNLESS OTHERWISE SPECIFIED			
2 PLCS	0-1"	±.010	FLASH GROWTH ALLOWANCE .015"
3 PLCS	0-1"	±.004	
ABOVE 1" ±.001/INCH		ANGLES ±0.5°	
UNSPECIFIED FEATURE DIMENSIONS:			
RADII= .03-.06		DRAFT ANGLES = 2.88°	

WEIGHT = 9 OZ.

REV. DESC: INCREASE RADIUS AROUND HUB AREA

REV: B	VERSION: 02	REVISED: 02:56:33 05/10/2017	TDR: 000001027912
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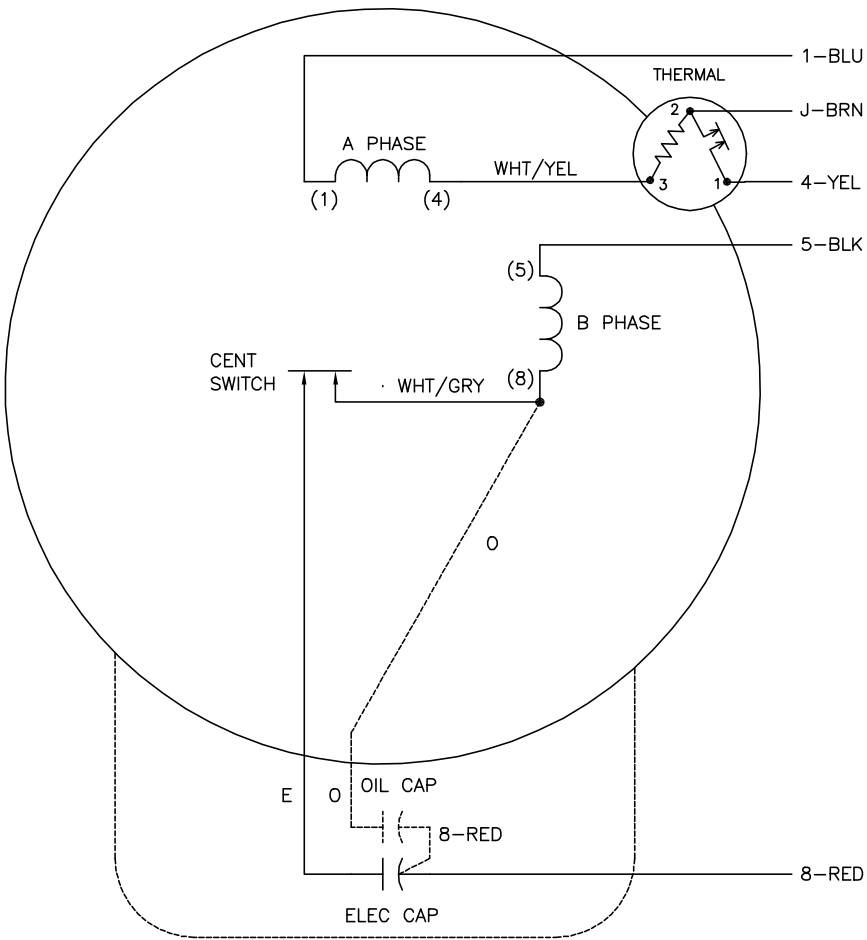
36FN3004	MODEL NO. 36FN3004	REF: -
	BY: USFRHAR	Material: - DIE CAST ALUMINUM

BALDOR

FAN EXTERNAL 36 FRAME - EXPLOSION PROOF DIE CAST

36FN3004

CD0152



	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
 4. CAPACITORS MAY BE SEPERATELY MOUNTED.
 5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: D	VERSION: 01	TDR: 000000373039
CD0152	FILE: \AAA\00026\903	REVISED: 11:23:45 08/11/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L OR LC, SV, REV, 5 LDS, THERM, CAPS MAY BE SEP MTD

CD0152